

**UP-GRADATION OF GOVT ITI CHENGANNUR ON PAR WITH INTERNATIONAL
STANDARDS PHASE 1 REV 3 - ANNEXURE 1 : FURNITURE FOR MAIN
BUILDING, HOSTEL AND UPGRADATION OF EXISTING CLASS ROOMS.**

LMR Data Analysis with DAR 2016-ALP(Mavelikkara & Chengannur) 01/07/2021 - 30/09/2021

MAIN BUILDING FURNITURE

1. Specification Code: od127998/2019_2020

od127998/2019_2020 :Supply, deliver and place registered branded (JALARAM Make-JEC 2017(F)) or approved equivalent Executive Visitor Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement. With Leatherette Finish Moulded Foam: The seat and the backrest are made up of moulded polyurethane foam of the right density and thickness.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM Make-JEC 2017(F) or approved equivalent Executive Visitor Chair	each	1.00000	15065.60	15065.60
	TOTAL				15065.60
	Add Water Charges @ 1%				150.66
	Add CPOH @ 15.0%				2282.44
	cost for one each				17498.69
	say				17498.69
	Say				17498.69

2. Specification Code: od128001/2019_2020

od128001/2019_2020 :Supply, deliver and place trademark registered branded (JALARAM make- JSF 102 A) or approved equivalent JALARAM Multipurpose storage cabinet with 2 adjustable shelves and 1 full locker. Overall size: H-1980 x W-915 x D-485(mm) (H-78"xW-36"x D-19") Material Specifications: The raw material used in cupboard will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. The cupboard should have welded construction with MIG welding process. The material used for constructing the cupboard should be prime quality Cold Rolled Close Annealed (CRCA) Steel (for doors and shelves 1.0 mm & other parts as per functional requirements) The doors provided will be full height steel hinged doors The handle provided will be matching, easy to grip, sleek and elegant. The Cupboard will have a 3 way locking Mechanism Minimum 6 levers (With duplicate keys) mechanism with shooting bolt arrangement. Shelving: The shelving will be Height wise Adjustable and Shelf Mounting. The Uniformly Distributed Load (UDL) Capacity per each full shelf will be 40 Kg at least. The cupboard will have 2 numbers of adjustable and 1 fixed full shelves with 1 full locker. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust.

Code	Description	Unit	Quantity	Rate	Amount
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	Rate for each				
MR	Supply, deliver and place JALARAM make- JSF 102 A) JALARAM or approved equivalent Multipurpose storage cabinet with 2 adjustable shelves and 1 full locker.	each	1.00000	15015.00	15015.00
	TOTAL				15015.00
	Add Water Charges @ 1%				150.15
	Add CPOH @ 15.0%				2274.77
	cost for one each				17439.92
	say				17439.92
	Say				17439.92

3. Specification Code: od128011/2019_2020

od128011/2019_2020 :Supply, deliver and place Trademark registered branded (JALARAM Make-JSS 908) or approved equivalent Sofa Set Overall Size of 3 seater: H-762 x W-2134 x D-812 mm

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM Make-JSS 908 or approved equivalent Sofa Set	each	1.00000	37915.25	37915.25
	TOTAL				37915.25
	Add Water Charges @ 1%				379.15
	Add CPOH @ 15.0%				5744.16
	cost for one each				44038.56
	say				44038.56
	Say				44038.56

4. Specification Code: od128016/2019_2020

od128016/2019_2020 :Supply, deliver and place Trademark registered branded (JALARAM make-JED 204 (A)) or approved equivalent Executive table, both side storage unit of special size. 2 drawers cum filing drawer & a center drawer, mounted on telescopic channel. Overall Size of curvica top: W-180 x D-90 cm ,Height of table 72.5 (cm)
Material Specification: Two pedestals having 2 box drawers and 1 filing drawer with independent locking arrangement (cam lock) for each pedestal. Drawers shall have a clear depth of > 400 mm. One center drawer having ~ 350 mm clear depth with independent locking arrangement. The top should be made of 25 mm thick Pre‐ laminated board(PLB) of TESA with 2 mm thick matching lipping. Under Structure: Two pedestals shall be a

combination of processed wood (PLB) and Mild Steel (MS). Pedestal shell to be 0.80 mm thick MS sheet. Drawer tray to be made from 0.6 mm thick M.S sheet. Drawer separator to be made from 0.6 mm thick M.S. sheet. PLB drawer fronts (18 mm thick PLB) to match the top colour. Drawers to be mounted on double extension steel telescopic ball slides to give full access to the drawer. Sleek handles for easy grip. Glides screws for leveling. Stiffeners (1.6 mm thick) is to be provided under the top to give additional strength. Powder coating: Powder coating on all items with dry film thickness not less than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards. The powder coating shall be of good quality (7 process) to ensure good adhesion of life of the coating. Modesty: Shall be made from 1.0 mm thick MS. Panel recessed inside for more leg room. Panel to be styled with cut‐outs (windows) for better physical appearance.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM make-JED 204 (A) or approved equivalent Executive table	each	1.00000	21713.56	21713.56
	TOTAL				21713.56
	Add Water Charges @ 1%				217.14
	Add CPOH @ 15.0%				3289.60
	cost for one each				25220.30
	say				25220.30
	Say				25220.30

5. Specification Code: od128017/2019_2020

od128017/2019_2020 :Supply, deliver and place registered branded (JALARAM make JSF 115(6) E) or approved equivalent slotted angle rack (Open type) Overall size: H-78" X W-36" X D-18" Angle: 40 x 40 x 2 mm (4 nos.) Shelves: 36" x 18" (22 swg. 6 nos.) Corner plate: 8 nos. Nuts & bolts: 64 nos. Shoes: 4 nos. The raw material used will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. Finishing: All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM make JSF 115(6) E or approved equivalent slotted angle rack	each	1.00000	4274.60	4274.60
	TOTAL				4274.60
	Add Water Charges @ 1%				42.75
	Add CPOH @ 15.0%				647.60

	cost for one each				4964.95
	say				4964.95
	Say				4964.95

6. Specification Code: od128028/2019_2020

od128028/2019_2020 :Supply, deliver and place of Trademark registered branded (JALARAM make- JMPT 4A) or approved equivalent Table for with 25 mm top, square tubular frame. Overall size: W-151 x D-90 x H-75(cm) Material Description: Main top 25mm thick wood based high quality Pre-laminated Particle Board(PLB) of TESA with 2mm PVC edge band by hot melt glue process for beading all over edge. Top frame of 1.21mm thick. (18swg) CRAC sheet IS 513. Table frame structure made up of prime quality MS ERW square tube 25x25mm of 18swg. Good quality PVC Shoes. All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place of JALARAM or approved equivalent make table model JMPT 4A	each	1.00000	7093.89	7093.89
	TOTAL				7093.89
	Add Water Charges @ 1%				70.94
	Add CPOH @ 15.0%				1074.72
	cost for one each				8239.55
	say				8239.55
	Say				8239.55

7. Specification Code: od128032/2019_2020

od128032/2019_2020 :Supply,deliver and place Trademark registered branded (JALARAM Make JEC 501(C))/Equivalent Executive Visitor Net Chair,
Overall Size (approx): H-98 x W-58 x D-63.5 (cm)
Seat Height: 48 (cm)
Frame structure: Backrest made of Mesh and Seat from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Chrome-plated Arm & Frame 'Tapestry: Minimum average weight required 400 to 490 gms per sq. mtr.
Tapestry will be tested quality such as stain test, ultra violet test,glue test
and color fastening with average weight of 450 grams per square meter
Cushioning: PU foam having density of 50 kgs/m3 for seat. Average
thickness of foam not less than 50 mm + 10 mm Polly foam.
Arm rest material: Polyurethane on Chrome
Shoes: Nylon Rubber

Code	Description	Unit	Quantity	Rate	Amount
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MR	Supply,deliver and place	each	1.00000	11204.23	11204.23
	TOTAL				11204.23
	Add Water Charges @ 1%				112.04
	Add CPOH @ 15.0%				1697.44
	cost for one each				13013.71
	say				13013.71
	Say				13013.71

8. Specification Code: od128037/2019_2020

od128037/2019_2020 :Supply deliver and place Trademark registered branded (JALARAM Make-JSD 601(D))/equivalent Two Seater Desk Cum Bench fitted on tubular frame with perforated seat and back for Senior Students.
Overall size : H-760 x W-1040 x D-1000 (mm)
Seat Height: 460 mm Desk Top (Curvica) of 25 mm thick wood based high quality branded (TESA) post formed Pre-laminated Particle Board (PLB)with 0.6mm laminated with 2mm PVC beading by hot melt glue
process all over 4 edges.
Bench Main frame tube & Support tube of 32mm, 16swg ERW round tube.
Seat & Back frame tube of 19mm, 16swg ERW round tube.
Seat & Back support of 25x25x1.6mm (16swg) thick. square ERW tube.
Seat & Back of 18swg. Perforated CRCA sheet IS 513.
Storage Bucket of 18swg. Perforated CRCA sheet IS 513.
Good quality PVC shoes & cap. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating;

Code	Description	Unit	Quantity	Rate	Amount
MR	Supply delever and place	each	1.00000	7693.20	7693.20
	TOTAL				7693.20
	Add Water Charges @ 1%				76.93
	Add CPOH @ 15.0%				1165.52
	cost for one each				8935.65
	say				8935.65
	Say				8935.65

9. Specification Code: od128038/2019_2020

od128038/2019_2020 :Supply and install Jasos brand JC-S 03 Model or approved equivalent auditorium seating chair comprise of seat and back frames made with CR pipes, Back cover with PPCP tray, Up holstory PU molded form of density 52-58 kg/m³, Mechanisms as legs made of CR pipes with PU cup holder arm rest,push back mechanism - box and Nylon cast metal rollers, with spring, height of chair 97cm - 100cm @52cm centre to centre, 90x8mm with chemical bonding method, All seat and back frames with enamel painting, Legs - powder coated,

Mechanism- Laqor paint finished.

Code	Description	Unit	Quantity	Rate	Amount
	Rate of each seat				
MR	Supply Jasos brand JC-S 03 Model auditorium seating chair	each	1.00000	4000.00	4000.00
9988	Carriage and sundries	L.S	27.28000	0.0	.00
0116	Fitter(grade1)	Day	0.10000	900.0	90.00
0115	Coolie	Day	0.10000	850.0	85.00
	TOTAL				4175.00
	Add Water Charges @ 1%				41.75
	Add CPOH @ 15.0%				632.51
	cost for one each				4849.26
	say				4849.26
	Say				4849.26

10. Specification Code: od128042/2019_2020

Other Engineering Organisations

od128042/2019_2020 :Supply deliver and place trademark registered branded (JALARAM make JMDX 70) OR Equivalent Library reading cubical with top partition (Double side main unit + Add on unit)
Overall size: 1800W x 1200D x 760H mm
Top partition: 1750W x 18D x 250H mm
Material Description:
• Main top of 18mm thick. Wood based high quality Pre-laminated particle board (PLB) of TESA with 2 mm PVC beading all over
edges.
• Top partition & side partition of 18mm thick. Pre-laminated particle board (PLB) of TESA with 0.5mm PVC beading all over edges fitted with U bracket.
• Vertical pillar of 1.2mm thick. (18swg) CRCA sheet IS 513.
• Cable cover of 0.9mm thick. (20swg) CRCA sheet IS 513.
• Leg frame & footrest of 50x25x1.2mm thick. (18swg) ERW rectangular MS tube (CRC).
• Good quality adjustable stud .
• All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.

Code	Description	Unit	Quantity	Rate	Amount
MR	Supply deliver and place	each	1.00000	21377.40	21377.40
	TOTAL				21377.40
	Add Water Charges @ 1%				213.77
	Add CPOH @ 15.0%				3238.68
	cost for one each				24829.85
	say				24829.85

	Say				24829.85
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11. Specification Code: od128043/2019_2020

od128043/2019_2020 :Supply, deliver and place trademark registered branded (JALARAM make JSF 125(D)) OR Equivalent multipurpose expandable storage rack (Double Faced main Unit + Add on unit) in knock down design with 5 shelves making 6 compartments.
Overall size: H-1980 x W-915 x D-535 mm • All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.

Code	Description	Unit	Quantity	Rate	Amount
MR	Supply, deliver and place	each	1.00000	28400.90	28400.90
	TOTAL				28400.90
	Add Water Charges @ 1%				284.01
	Add CPOH @ 15.0%				4302.74
	cost for one each				32987.65
	say				32987.65
	Say				32987.65

Other Engineering Organisations

12. Specification Code: od128045/2019_2020

od128045/2019_2020 :Supply, deliver and place trademark registered branded (JALARAM make JSF 125(S)) OR Equivalent multipurpose expandable storage rack (Single faced main unit + Add on Unit) in knock down design with 5 shelves making 6 compartments.
Overall size: H-1980 x W-915 x D-380 mm
Material Specifications:
• All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.

Code	Description	Unit	Quantity	Rate	Amount
MR	Supply, deliver and plac	each	1.00000	19256.61	19256.61
	TOTAL				19256.61
	Add Water Charges @ 1%				192.57
	Add CPOH @ 15.0%				2917.38
	cost for one each				22366.55
	say				22366.55
	Say				22366.55

13. Specification Code: od128048/2019_2020

od128048/2019_2020 :Supply, deliver and place trademark registered branded (JALARAM Make-JEC 325 (C)) or approved equivalent Executive Low Back Revolving Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMAX 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement, advanced synchro tilt mechanism, back rest height adjustment, 3-D wrap around design, tilt lock mechanism, self regulating tilt tension adjustment, seat depth adjustment, high quality moulded foam, pneumatic height adjustment. Overall Size (approx): H:87-104 x W:70 x D:70(cm) Seat height : 44 to 54 (cm) Frame structure: Seat & back from hot mould plywood of minimum 12 mm thickness of ergonomic design . Seat Height adjustment and ergonomics: With Pneumatic gas lift with 300 N force Stroke length of 12.5 cm. Seat height will be adjustable and optimum Height is 44-54 cm . Under structure facility: Revolving, Tilting and Lateral smooth movement on twin wheel castors fixed on five pronged wide base of 65 cm to 75 cm D. Tapestry Minimum average weight required 400 to 490 gms per sq. mtr. Tapestry : Tapestry should be tested quality such as stain test, ultra violet test, glue test and color fastening with average weight of 450 grams per square meter. (All the stitches of seat and back boarder should be covered by plastic beading of black cover for elegant look. Cushioning: PU foam having density of 40 kg for back and 50 kgs/m³ for seat. Average thickness of foam not less than 50 mm + 10 mm Polly foam. Base: Tested High quality virgin material. Arm rest material: single piece round soft virgin quality PU handle reinforced within built steel rib.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM Make-JEC 325 (C) or approved equivalent Executive Low Back Revolving Chair	each	1.00000	11485.10	11485.10
	TOTAL				11485.10
	Add Water Charges @ 1%				114.85
	Add CPOH @ 15.0%				1739.99
	cost for one each				13339.94
	say				13339.94
	Say				13339.94

14. Specification Code: od128051/2019_2020

od128051/2019_2020 :Supply fabricate and install LGS or approved equivalent Make Conference table [36'W x 4' D] with Top/Vertical support legs are to be made of 25mm thk Particle board duly laminated with approved colour with 2mm thk. Matching PVC edgeband and modesty are 18mm thk prelaminated particle board with edgebanded finish. Set with 14 nos of LGS Make Conference Chairs Nylon Back With Imported Fire Retardant Mesh, Adjustable Arms With Soft P.U Pad, Nylon Base With Nylon Wheels, Synchro Tilt Single Locking, 100mm Gas Lift, PU Foam Seat With Desired Fabric.

Code	Description	Unit	Quantity	Rate	Amount
	Rate per each set				
MR	Supply fabricate and install LGS Make Conference table [36'W x 4' D] with 14 nos of LGS Make Conference Chairs	each set	1.00000	79000.00	79000.00
	TOTAL				79000.00
	Add Water Charges @ 1%				790.00
	Add CPOH @ 15.0%				11968.50
	cost for one each set				91758.50
	say				91758.50
	Say				91758.50

HOSTEL BUILDING FURNITURE

1. Specification Code: od127994/2019_2020

<p>od127994/2019_2020 :Supply,deliver and place Trademark registered branded (JALARAM Make JEC 501(C))/Equivelent Executive Visitor Net Chair,
Overall Size (approx): H-98 x W-58 x D-63.5 (cm)
Seat Height: 48 (cm)
Frame structure: Backrest made of Mesh and Seat from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Chrome-plated Arm & Frame Tapestry: Minimum average weight required 400 to 490 gms per sq. mtr.
Tapestry will be tested quality such as stain test, ultra violet test,glue test
and color fastening with average weight of 450 grams per square meter
Cushioning: PU foam having density of 50 kgs/m3 for seat. Average
thickness of foam not less than 50 mm + 10 mm Polly foam.
Arm rest material: Polyurethane on Chrome
Shoes: Nylon Rubber</p>
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Code	Description	Unit	Quantity	Rate	Amount
MR	Supply,deliver and place	each	1.00000	11204.20	11204.20
	TOTAL				11204.20
	Add Water Charges @ 1%				112.04
	Add CPOH @ 15.0%				1697.44
	cost for one each				13013.68
	say				13013.68
	Say				13013.68

2. Specification Code: od127997/2019_2020

od127997/2019_2020 :Supply, deliver and place Trademark registered branded (JALARAM make JHST-911) or

approved equivalent wall side steel study table. Overall size :H-64" x W-48" x D-24"
All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM make JHST-911 or approved equivalent wall side steel study table	each	1.00000	13211.00	13211.00
	TOTAL				13211.00
	Add Water Charges @ 1%				132.11
	Add CPOH @ 15.0%				2001.47
	cost for one each				15344.58
	say				15344.58
	Say				15344.58

3. Specification Code: od128000/2019_2020

od128000/2019_2020 :Supply, deliver and place Trademark registered branded (JALARAM make-JSF 150 B) or approved equivalent wardrobe with 1 half locker, 2 drawers, 1 half removable partition, 2 full adjustable shelves, 2 hanging rods & 1 mirror. Overall Size : H-78" x W-40" x D-21" , The raw material used will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade.OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/Jindal. Finishing: All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating .

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place JALARAM make-JSF 150 B or approved equivalent wardrobe	each	1.00000	16324.60	16324.60
	TOTAL				16324.60
	Add Water Charges @ 1%				163.25
	Add CPOH @ 15.0%				2473.18
	cost for one each				18961.02
	say				18961.02
	Say				18961.02

4. Specification Code: od128004/2019_2020

od128004/2019_2020 :Supply, deliver and place registered branded (JALARAM make-JDT-706 A) or approved equivalent canteen table for 6 persons Overall Size of the table:L-1600 x W-800 x H-750 mm Material Description: Main top of 30mm thick. Post formed MDF top with 0.6mm lamination & longer edges both side post forming (curvica) & other both side PVC edge band by hot melt glue process for beading with matching colour. Top frame of 25x25x1.2mm (18swg) SS 304 grade square tube. Main vertical legs of 60 to 65mm x 1.6mm (16swg) thick. SS 304 or SS 202 grade round tube. Leg support & Footrest of 30mm x 1.6mm (16swg) thick. SS 304 or SS 202 grade round tube. Good quality PVC adjustable stud at table. All SS parts with glossy buffing.Trademark registered branded (JALARAM make) canteen chair. Overall Size of the chair: H-900mm Seat Dia:400mm Seat Height:450mm Material Description: Chair frame of OD-19mm x 16swg SS 304 grade pipe with glossy buffing. Back support of OD-12mm tube SS 304 grade with Glossy buffing. Seat top (400mm Round) of 19mm thick. Wooden (Rubber wood) with melamine coated. Good quality PVC shoes at bottom , All SS parts with glossy buffing.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	Supply, deliver and place (JALARAM make-JDT-706 A) or approved equivalent canteen table for 6 persons	each	1.00000	34734.74	34734.74
	TOTAL				34734.74
	Add Water Charges @ 1%				347.35
	Add CPOH @ 15.0%				5262.31
	cost for one each				40344.40
	say				40344.40
	Say				40344.40

5. Specification Code: od128008/2019_2020

od128008/2019_2020 :Supply deliver and place Trademark registered branded (JALARAM make JBB-1(A))/Equivalent Single Bed for hostels Overall size : L 2030 x W 827 x H 695 mm L 80" x W 32.5" x H 27.4" Frame structure should made up of prime quality CRC (M.S.) rectangular tube 25x50x1.2mm (18 swg.).Body shouldmade up of prime quality 0.8 mm (22 swg.).All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank antirust. treatment and B grade phosphating (in house) & same will be demonstrated to the purchaser during pre-dispatch Inspection.

Code	Description	Unit	Quantity	Rate	Amount
MR	As per quote	no	1.00000	7840.68	7840.68
	TOTAL				7840.68
	Add Water Charges @ 1%				78.41
	Add CPOH @ 15.0%				1187.86
	cost for one no				9106.95

	say				9106.95
	Say				9106.95

EXISTING CLASS ROOM CONVERTED TO SMART CLASS ROOMS

1. Specification Code: od128422/2019_2020

od128422/2019_2020 :Supply,deliver and place Trademark registered branded (JALARAM Make JEC 501(C))/Equivalent Executive Visitor Net Chair,
Overall Size (approx): H-98 x W-58 x D-63.5 (cm)
Seat Height: 48 (cm)
Frame structure: Backrest made of Mesh and Seat from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Chrome-plated Arm & Frame 'Tapestry: Minimum average weight required 400 to 490 gms per sq. mtr.
Tapestry will be tested quality such as stain test, ultra violet test,glue test
and color fastening with average weight of 450 grams per square meter
Cushioning: PU foam having density of 50 kgs/m3 for seat. Average
thickness of foam not less than 50 mm + 10 mm Polly foam.
Arm rest material: Polyurethane on Chrome
Shoes: Nylon Rubber

Code	Description	Unit	Quantity	Rate	Amount
MR	as per quote received	each	1.00000	11204.23	11204.23
	TOTAL				11204.23
	Add Water Charges @ 1%				112.04
	Add CPOH @ 15.0%				1697.44
	cost for one each				13013.71
	say				13013.71
	Say				13013.71

2. Specification Code: od128425/2019_2020

od128425/2019_2020 :Supply deliver and place Trademark registered branded (JALARAM Make-JSD 601(D))/equivalent Two Seater Desk Cum Bench fitted on tubular frame with perforated seat and back for Senior Students.
Overall size : H-760 x W-1040 x D-1000 (mm)
Seat Height: 460 mm Desk Top (Curvica) of 25 mm thick wood based high quality branded (TESA) post formed Pre-laminated Particle Board (PLB)with 0.6mm laminated with 2mm PVC beading by hot melt glue
process all over 4 edges.
Bench Main frame tube & Support tube of 32mm, 16swg ERW round tube.
Seat & Back frame tube of 19mm, 16swg ERW round tube.
Seat & Back support of 25x25x1.6mm (16swg) thick. square ERW tube.
Seat & Back of 18swg. Perforated CRCA sheet IS 513.
Storage Bucket of 18swg. Perforated CRCA sheet IS 513.
Good quality PVC shoes & cap. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.

Code	Description	Unit	Quantity	Rate	Amount
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MR	Supply delever and place	each	1.00000	7693.20	7693.20
	TOTAL				7693.20
	Add Water Charges @ 1%				76.93
	Add CPOH @ 15.0%				1165.52
	cost for one each				8935.65
	say				8935.65
	Say				8935.65

3. Specification Code: od128423/2019_2020

od128423/2019_2020 :Supply, deliver and place of Trademark registered branded (JALARAM make- JMPT 4A) or approved equivalent Table for with 25 mm top, square tubular frame. Overall size: W-151 x D-90 x H-75(cm) Material Description: Main top 25mm thick wood based high quality Pre-laminated Particle Board(PLB) of TESA with 2mm PVC edge band by hot melt glue process for beading all over edge. Top frame of 1.21mm thick. (18swg) CRAC sheet IS 513. Table frame structure made up of prime quality MS ERW square tube 25x25mm of 18swg. Good quality PVC Shoes. All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.

Code	Description	Unit	Quantity	Rate	Amount
	Rate for each				
MR	as per quote received	each	1.00000	7093.89	7093.89
	TOTAL				7093.89
	Add Water Charges @ 1%				70.94
	Add CPOH @ 15.0%				1074.72
	cost for one each				8239.55
	say				8239.55
	Say				8239.55